

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023143.D
 Acq On : 19 Aug 2025 12:07
 Operator : SY/MD
 Sample : Q2820-23
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-E

Quant Time: Aug 20 01:27:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

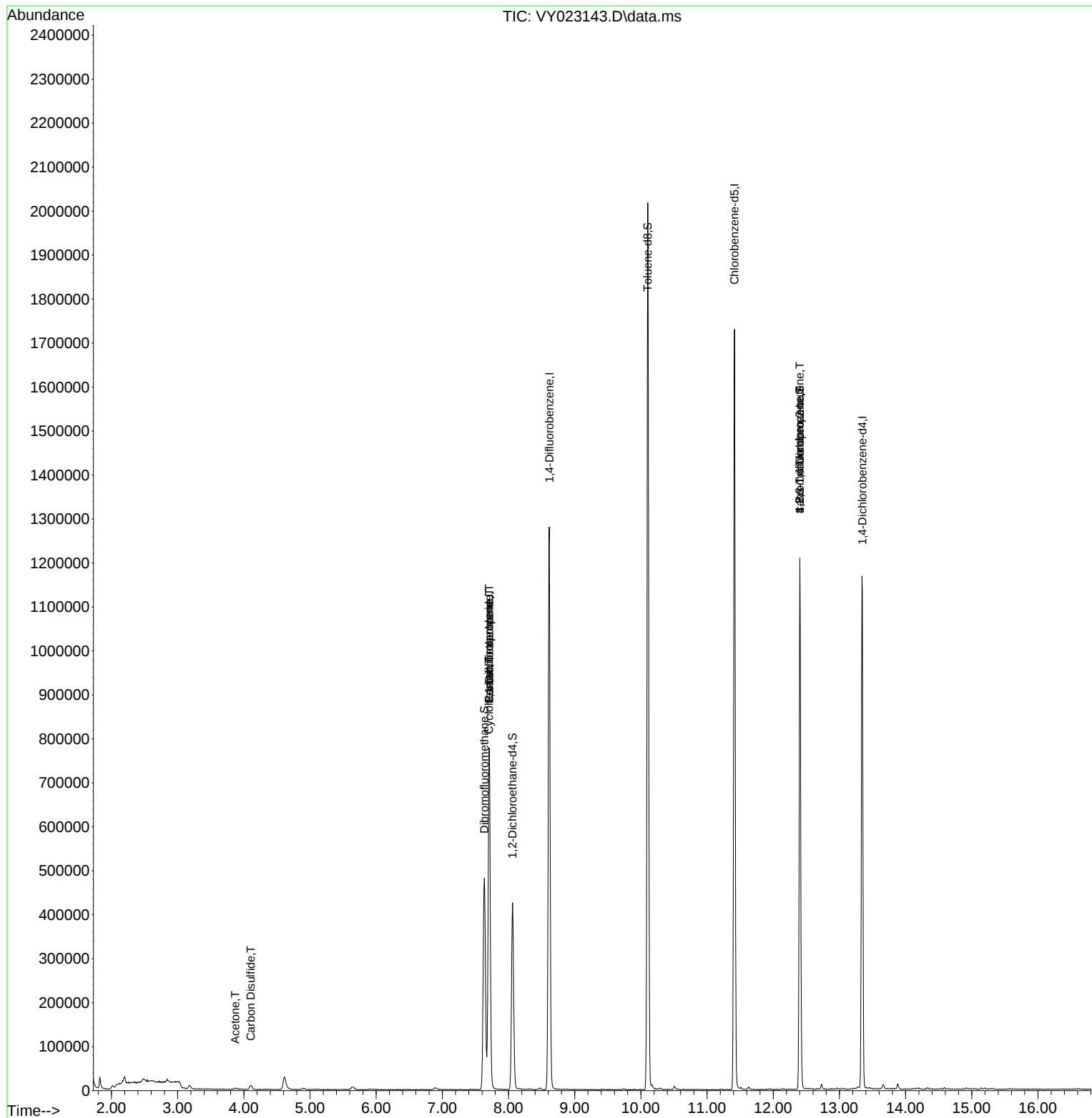
Internal Standards						
1) Pentafluorobenzene	7.707	168	605918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1109341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	926207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	306765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	329769	57.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 114.200%	
35) Dibromofluoromethane	7.634	113	350032	52.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.460%	
50) Toluene-d8	10.103	98	1316385	50.764	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.520%	
62) 4-Bromofluorobenzene	12.402	95	345633	41.445	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.880%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	4638	3.707	ug/l #	87
17) Carbon Disulfide	4.104	76	19469	1.023	ug/l	99
31) Cyclohexane	7.701	56	12185	1.133	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	45156	4.577	ug/l #	49
38) Carbon Tetrachloride	7.707	117	59283	5.533	ug/l #	17
76) 1,2,3-Trichloropropane	12.402	75	180204	60.867	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	180204	147.340	ug/l #	14

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 01:27:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

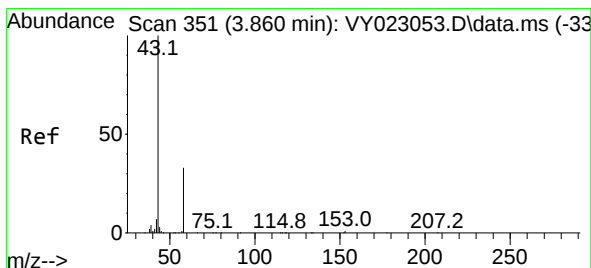
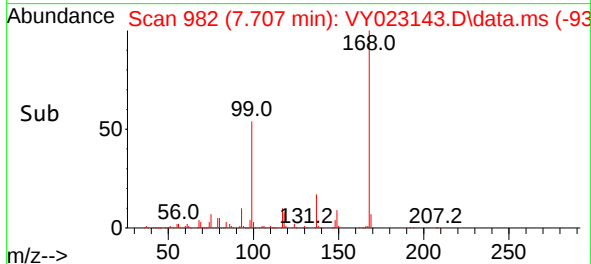
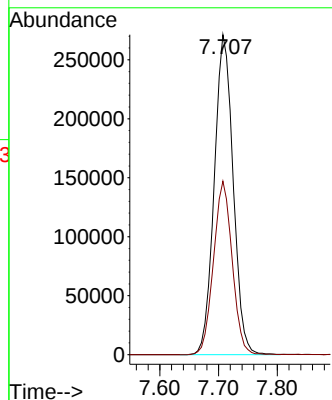
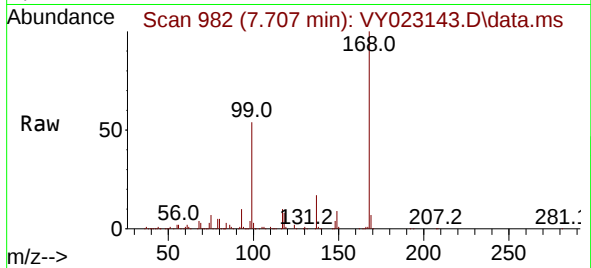




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

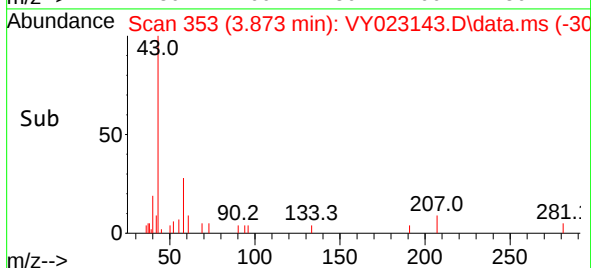
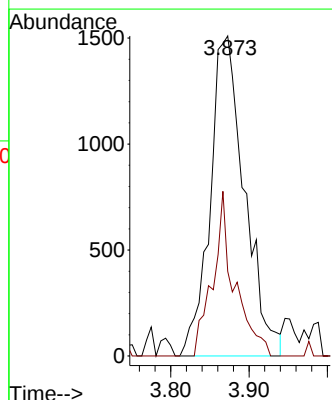
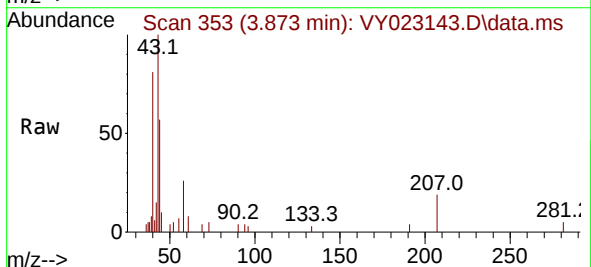
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

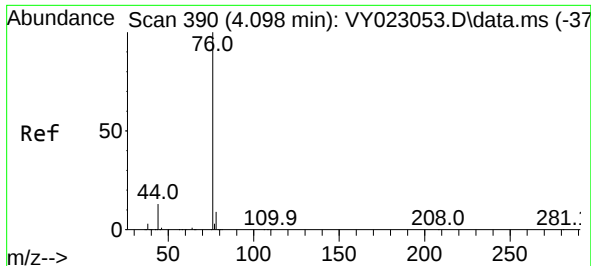
Tgt Ion:168 Resp: 605918
Ion Ratio Lower Upper
168 100
99 54.2 42.8 64.2



#16
Acetone
Concen: 3.707 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.012 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

Tgt Ion: 43 Resp: 4638
Ion Ratio Lower Upper
43 100
58 26.5 27.1 40.7#

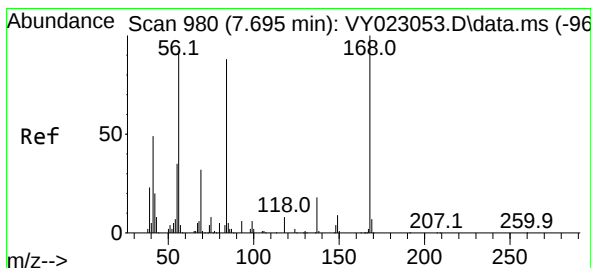
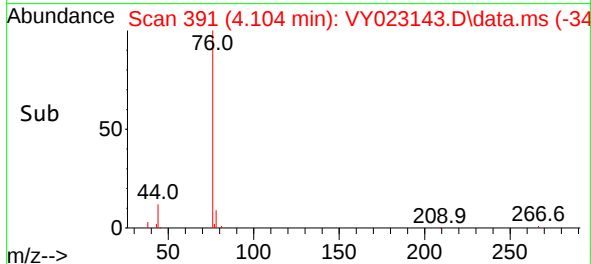
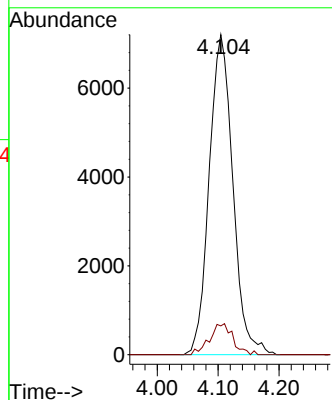
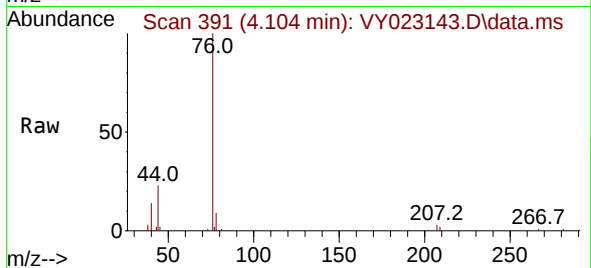




#17
Carbon Disulfide
Concen: 1.023 ug/l
RT: 4.104 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

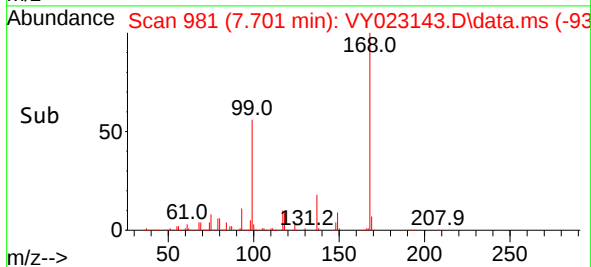
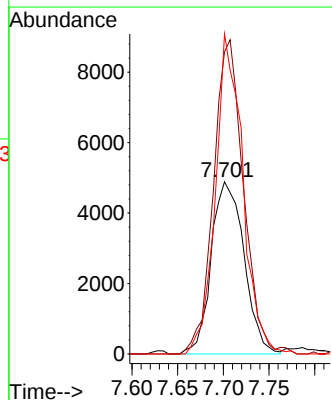
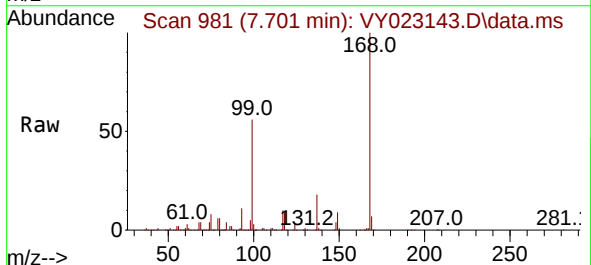
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Tgt Ion: 76 Resp: 19469
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

Tgt Ion: 56 Resp: 12185
Ion Ratio Lower Upper
56 100
69 175.5 28.2 42.2#
84 185.9 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 57.105 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

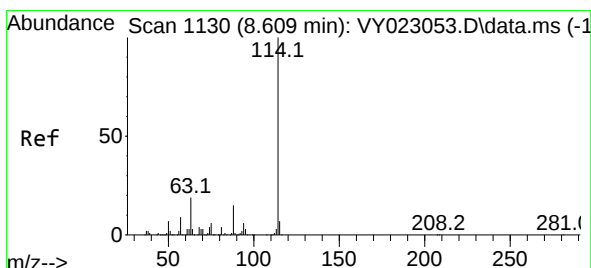
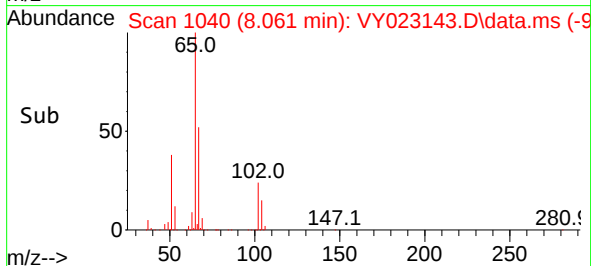
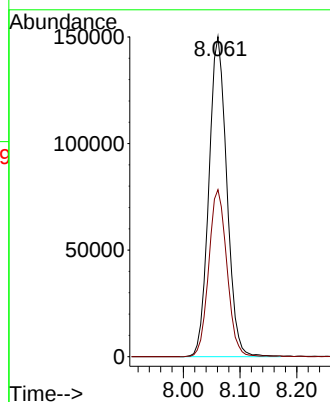
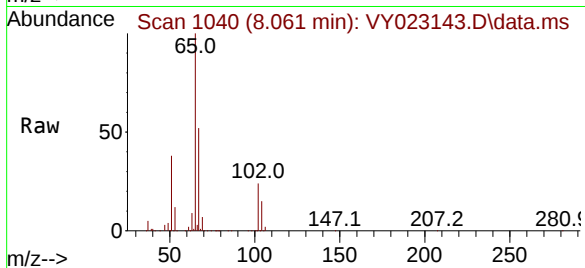
22M-E

Tgt Ion: 65 Resp: 329769

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

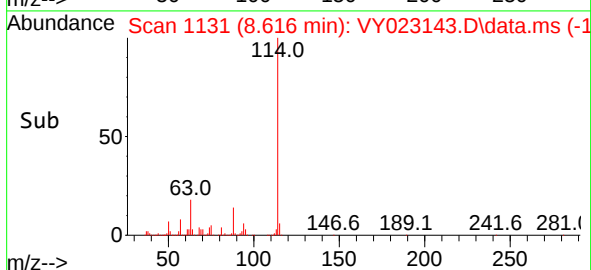
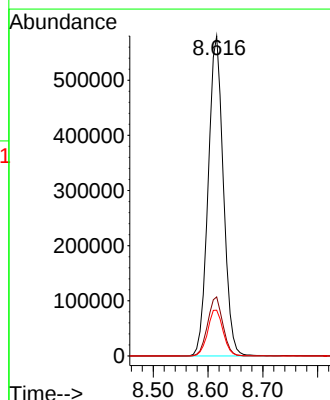
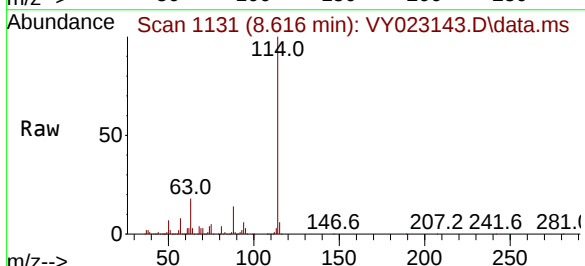
Tgt Ion: 114 Resp: 1109341

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 14.3 0.0 30.0

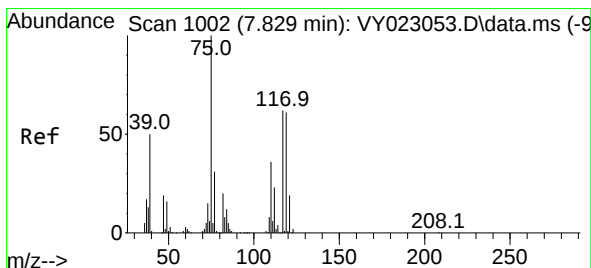
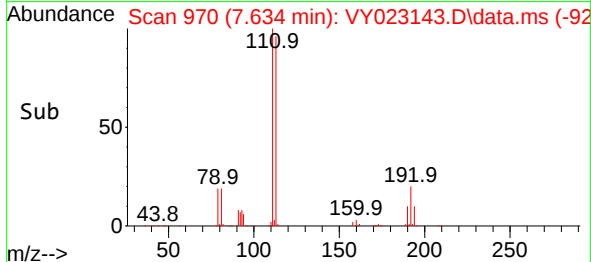
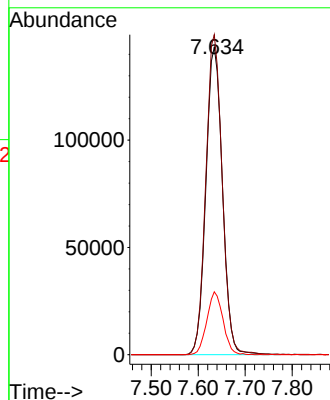
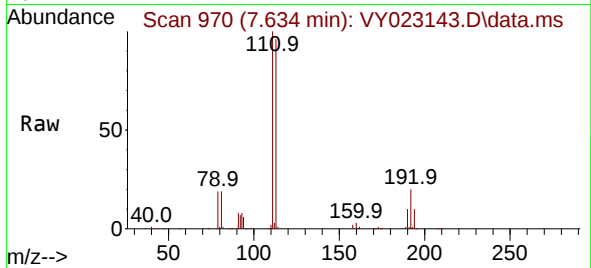




#35
Dibromofluoromethane
Concen: 52.732 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

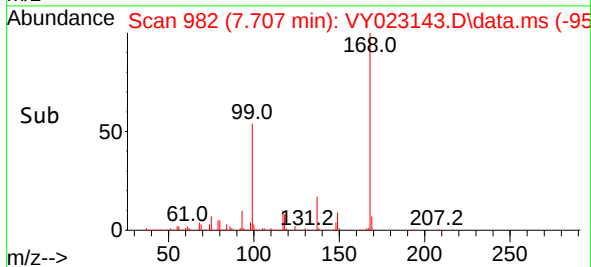
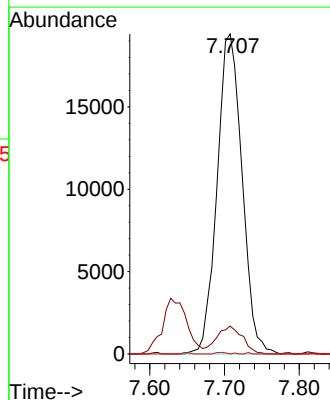
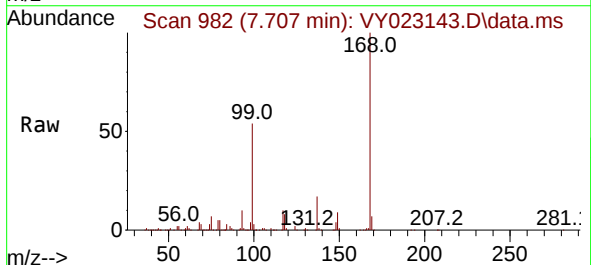
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Tgt Ion:113 Resp: 350032
Ion Ratio Lower Upper
113 100
111 102.7 81.1 121.7
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.577 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

Tgt Ion: 75 Resp: 45156
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.2 24.6 37.0#

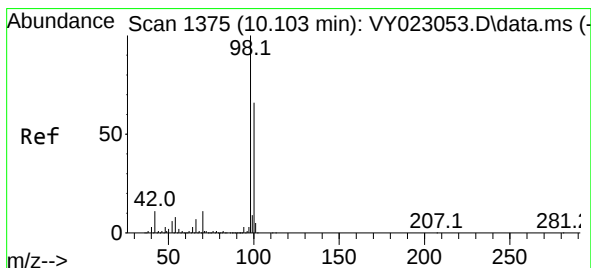
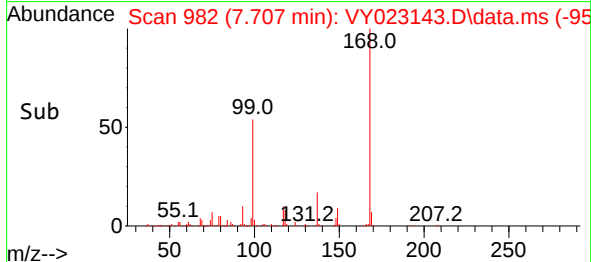
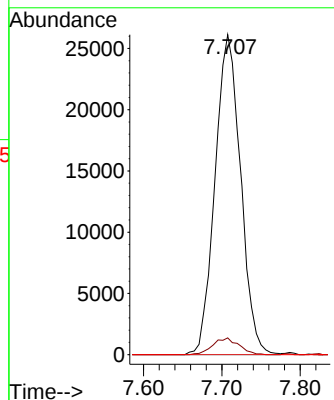
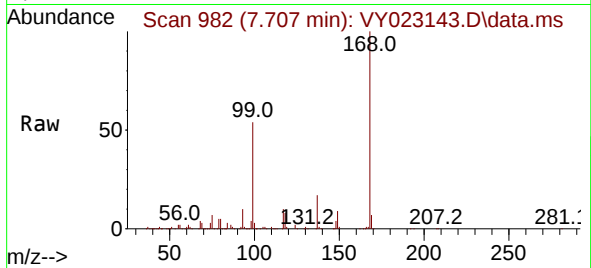




#38
Carbon Tetrachloride
Concen: 5.533 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

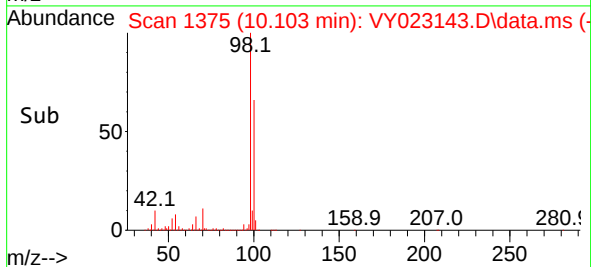
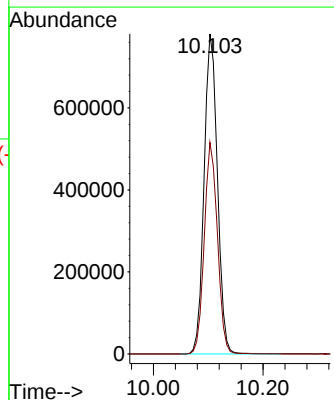
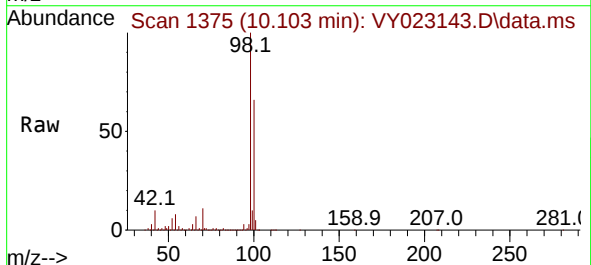
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

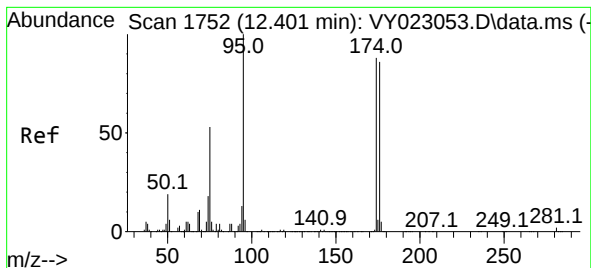
Tgt Ion:117 Resp: 59283
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 50.764 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

Tgt Ion: 98 Resp: 1316385
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

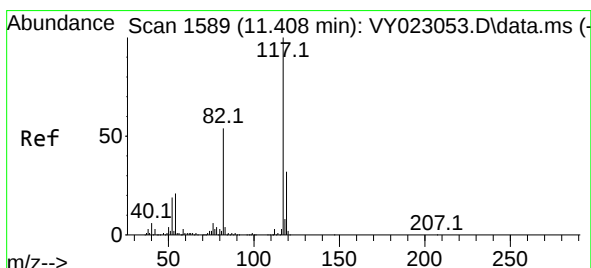
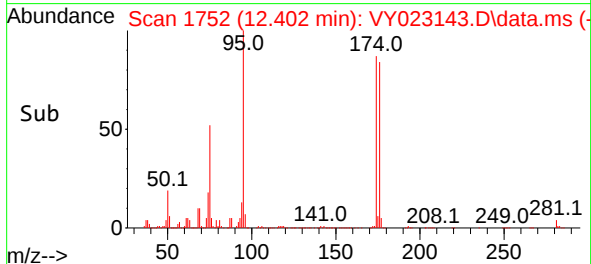
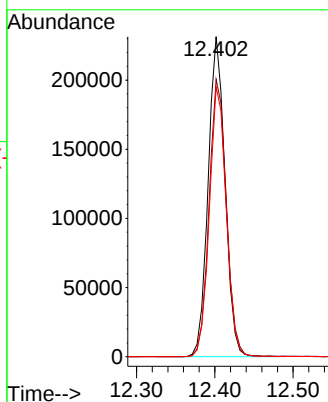
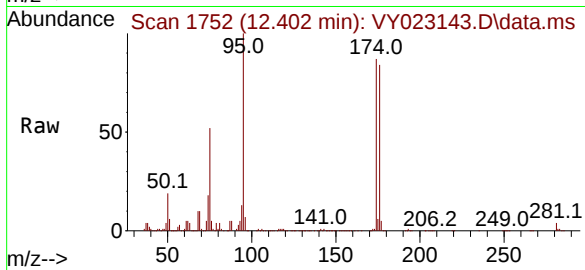




#62
4-Bromofluorobenzene
Concen: 41.445 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

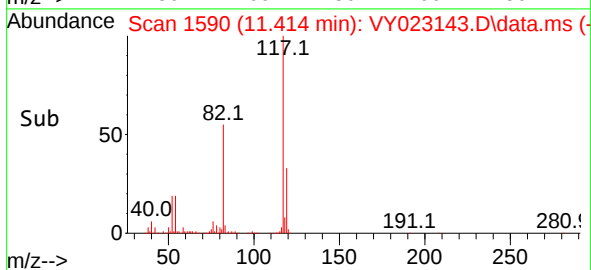
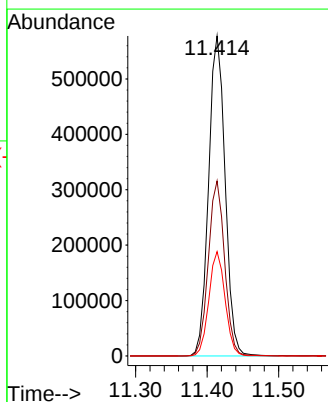
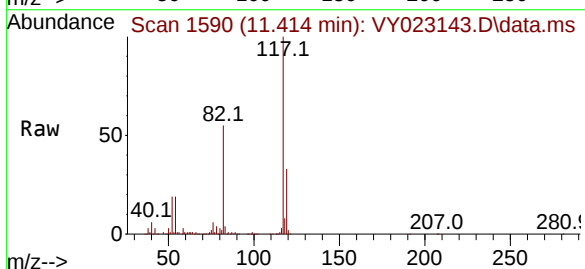
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

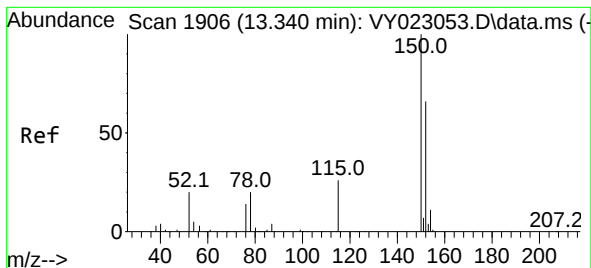
Tgt Ion: 95 Resp: 345633
Ion Ratio Lower Upper
95 100
174 88.9 0.0 171.6
176 84.5 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

Tgt Ion: 117 Resp: 926207
Ion Ratio Lower Upper
117 100
82 54.7 43.4 65.0
119 32.6 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1906

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

22M-E

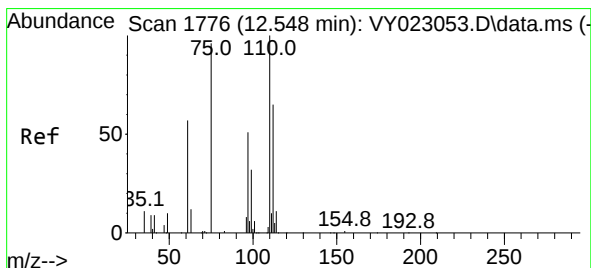
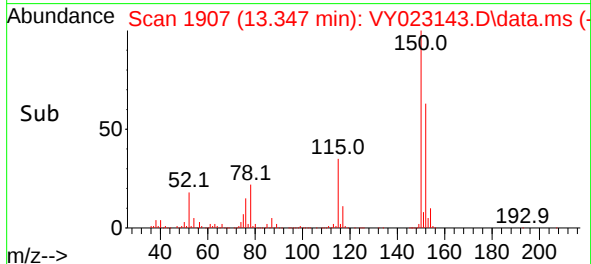
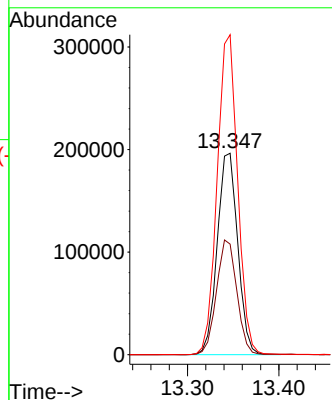
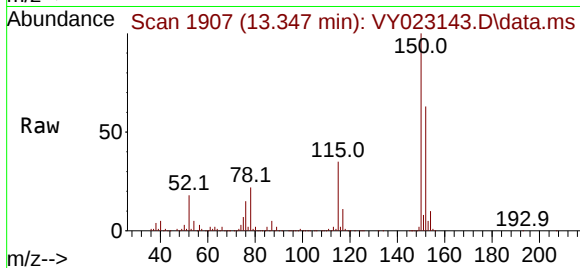
Tgt Ion:152 Resp: 306765

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.6

150 158.6 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 60.867 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023143.D

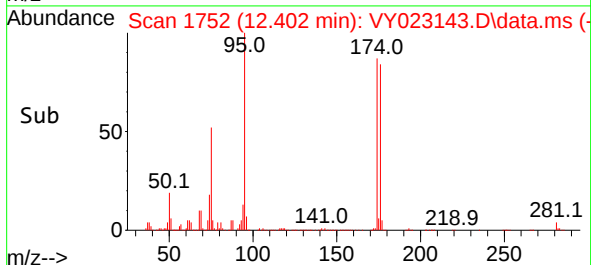
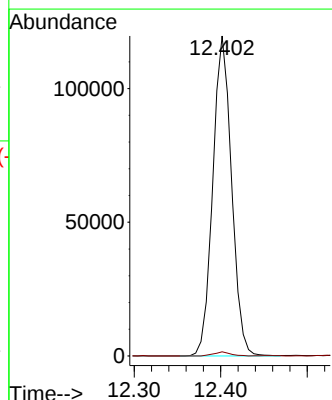
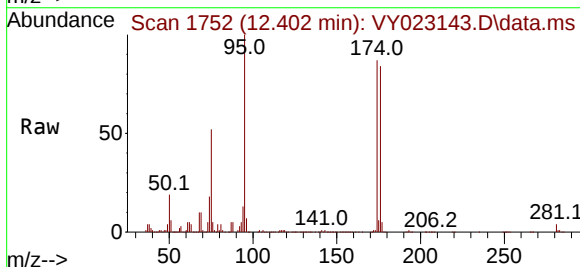
Acq: 19 Aug 2025 12:07

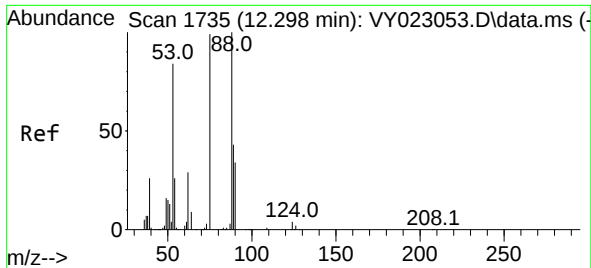
Tgt Ion: 75 Resp: 180204

Ion Ratio Lower Upper

75 100

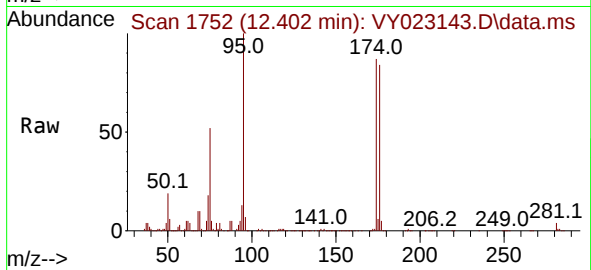
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.340 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023143.D
 Acq: 19 Aug 2025 12:07

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-E



Tgt Ion: 75 Resp: 180204
 Ion Ratio Lower Upper
 75 100
 53 0.2 70.8 106.2#
 89 0.0 38.1 57.1#

